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NEWS 14 OCT 28 KOREAPAT now available on STN

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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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* * * * * STN Columbus * * * * *

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=> FIL REGISTRY
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

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STRUCTURE FILE UPDATES: 8 NOV 2004 HIGHEST RN 777024-10-9
DICTIONARY FILE UPDATES: 8 NOV 2004 HIGHEST RN 777024-10-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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=>

=> s vdgfgrig/sqsp

L1 3 VDGFRIG/SQSP

=> FIL CAPLUS MEDLINE EMBASE SCISEARCH BIOSIS
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
37.42	37.63

FULL ESTIMATED COST

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=> s l1

'SQSP' IS NOT A VALID FIELD CODE

L2 3 L1

=> dup rem l2

PROCESSING COMPLETED FOR L2

L3 3 DUP REM L2 (0 DUPLICATES REMOVED)

=> d l3 1-3 bib ab

L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:837371 CAPLUS

DN 139:333132

TI Targets for therapeutic intervention identified in the human mitochondrial
proteome

IN Ghosh, Soumitra S.; Fahy, Eoin D.; Zhang, Bing; Gibson, Bradford W.;

Taylor, Steven W.; Glenn, Gary M.; Warnock, Dale E.
 PA Mitokor, USA; The Buck Institute for Age Research
 SO PCT Int. Appl., 180 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 2003087768	A2	20031023	WO 2003-US10870	20030404	
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
	US 2004101874	A1	20040527	US 2003-408765	20030404	
PRAI	US 2002-372843P	P	20020412			
	US 2002-389987P	P	20020617			
	US 2002-412418P	P	20020920			

AB Mitochondrial targets for drug screening assays and for therapeutic intervention in the treatment of diseases associated with altered mitochondrial function are provided. Complete amino acid sequences are provided for 3025 polypeptides that comprise the human heart mitochondrial proteome, using fractionated proteins derived from highly purified mitochondrial preps., to identify previously unrecognized mitochondrial mol. components. Oxidative post-translational modification of tryptophan residues to N-formylkynurenine in cardiac mitochondrial proteins is also demonstrated by mass spectrometry.

L3 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2001:868243 CAPLUS
 DN 136:31704
 TI Method of use of peptide antagonists of zonulin to prevent or delay the onset of diabetes
 IN Fasano, Alessio; Watts, Tammara L.
 PA University of Maryland, Baltimore, USA
 SO PCT Int. Appl., 47 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 2001089551	A1	20011129	WO 2001-US5825	20010321	
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
	EP 1282432	A1	20030212	EP 2001-922244	20010321	
	R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR		
	JP 2003534287	T2	20031118	JP 2001-585794	20010321	
PRAI	US 2000-205305P	P	20000519			
	WO 2001-US5825	W	20010321			

AB A method for prevention or delaying the onset of diabetes using peptide antagonists of zonulin, is disclosed. The peptide antagonists bind to the zonula occludens toxin (ZOT) receptor, yet do not physiologically modulate the opening of the mammalian tight junctions.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1971:135617 CAPLUS
DN 74:135617
TI Primary structure and activity of glyceraldehyde 3-phosphate dehydrogenase
AU Harris, J. Ieuan
CS Lab. Mol. Biol., Med. Res. Council, Cambridge, UK
SO Pyridine Nucleotide-Dependent Dehydrogenases, Proc. Advan. Study Inst. (1970), Meeting Date 1969, 57-70. Editor(s): Sund, Horst. Publisher: Springer, Berlin, Ger.
CODEN: 22QSAA

DT Conference

LA English

AB The primary structure of the title enzyme (I) is considered. The amino acid composition of I from pigs, lobsters, and yeast differs. The monomer from yeast consists of 331 amino acid residues in unique sequence. Amino acid sequences of I from pigs, lobsters, and yeast are given. In native I, the Cys149 moiety is the sole site of reaction with iodoacetic acid (II), in presence or absence of NAD. However, the reaction rate is faster in the presence of the coenzyme. In this respect, II behaves as a pseudosubstrate. Some other reagents do not readily react with Cys149 in presence of NAD, presumably due to steric competition at the active site between the reagents and bound coenzyme. Certain other reagents act on I with or without NAD present. The Tyr46 moiety reacts preferentially with K125I3 for pig, lobster, and yeast I. However, the reaction with I is not specific. Other tyrosine residues are also iodinated at a slower rate.

=> d l3 3 kwic

L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
IT 11062-21-8
RL: PRP (Properties)
(structure of)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	13.53	51.16
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.10	-2.10

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<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> S 11062-21-8/RN

L4 1 11062-21-8/RN

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DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN 11062-21-8 REGISTRY
CN Dehydrogenase, glyceraldehyde 3-phosphate (swine muscle protein moiety reduced) (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Dehydrogenase, glyceraldehyde 3-phosphate (pig muscle protein moiety reduced)
CN Glyceraldehyde phosphate dehydrogenase (pig muscle)
FS PROTEIN SEQUENCE
SQL 332

SEQ 1 VKVGVDGFGR IGR LVTRAAF NSGKV DIVAI NDPFIDLHYM VYMFQYDSTH
51 GKPHGTVKAE DGKLVIDGKA ITIFQERDPA NIKWGDAGTA YVVESTGVFT
101 TMEKAGAH LK GGAKRVIISA PSADAPMFVM GVNHEKYDNS LKIVSNASCT
151 TNCLAPLAKV IHDHFGIVEG LMTTVHAITA TQKTVDGPSG KLWRDGRGAA
201 QNIIPASTGA AKAVGKVIPE LDGKLTGMAF RVPTPNVSVV DLTCLRLEKPA
251 KYDDIKKVVK QASEGPLKGI LGYTEDQVVS CDFNDSTHSS TFDAGAGIAL
301 NDHFVKLISW YDNEFGYSNR VVDLMVHMAS KE
MF C1590 H2508 N432 O476 S13
CI MAN
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Conference
RL.NP Roles from non-patents: PRP (Properties)
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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